

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 07-204849

(71)Applicant : SEGA ENTERP LTD

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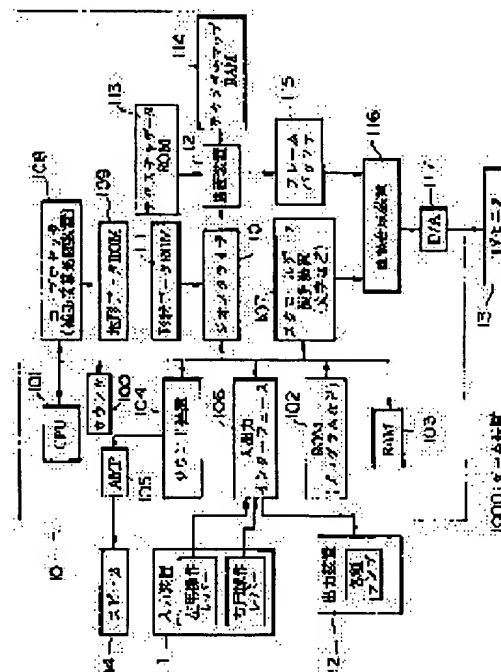
(72)Inventor : YAMAMOTO KENJI

(54) VIRTUAL PICTURE GENERATING DEVICE AND ITS METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To accurately judge overlap in virtual space and to execute suitable transmission processing.

SOLUTION: This virtual picture generating device is provided with a shape data storage means 109 for storing shape data related to an obstacle or the like in virtual picture generating technology for a game picture or the like, a positional data specifying means 101 for specifying the positional data of a subject, overlap judging means 108, 101 for judging whether an object is observed in an overlapped state between a visual point and the subject or not based upon the shape data and the positional data, and picture generating means 110, 112 for generating a virtual picture obtained by applying prescribed transmission processing (mesh processing, semitransparent processing, etc.) to the object at the time of judging the existence of an overlapped state. Thus the judgement of overlap is accurately executed by the use of a vector directed from the visual point up to the object and a vector directed from the obstacle to the object and the subject hidden by the object can be suitably displayed by transmission processing such as mesh processing.



LEGAL STATUS

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19.11.1998

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examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number] 3141737

[Date of registration] 22.12.2000

[Number of appeal against examiner's decision of
rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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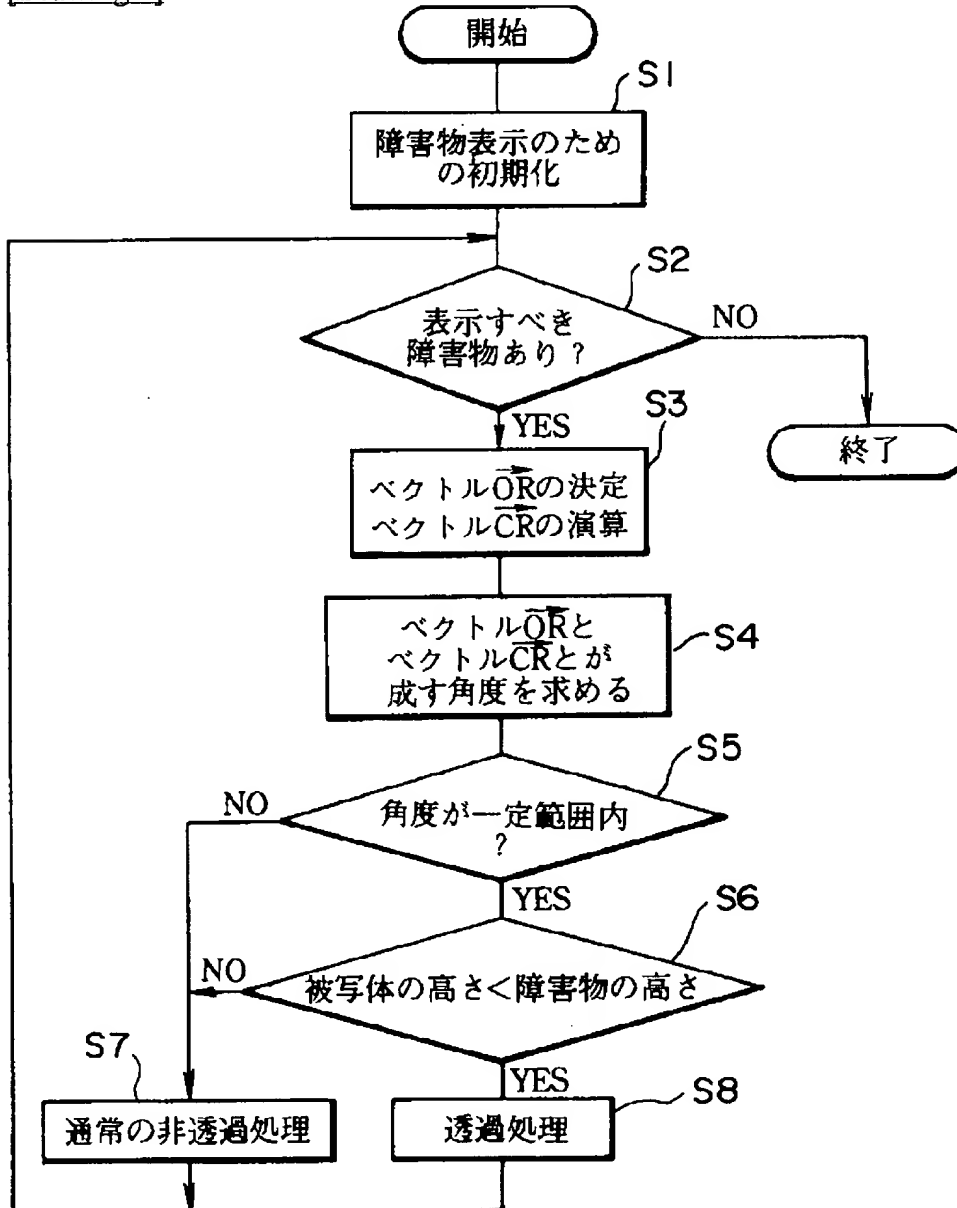
* NOTICES *

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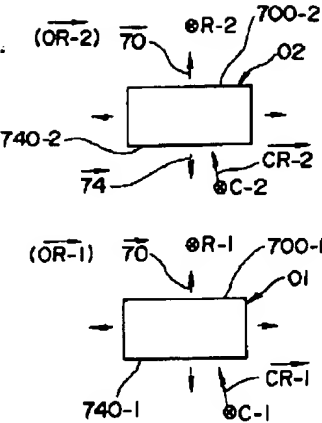
1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DRAWINGS

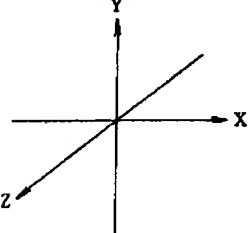
[Drawing 2]



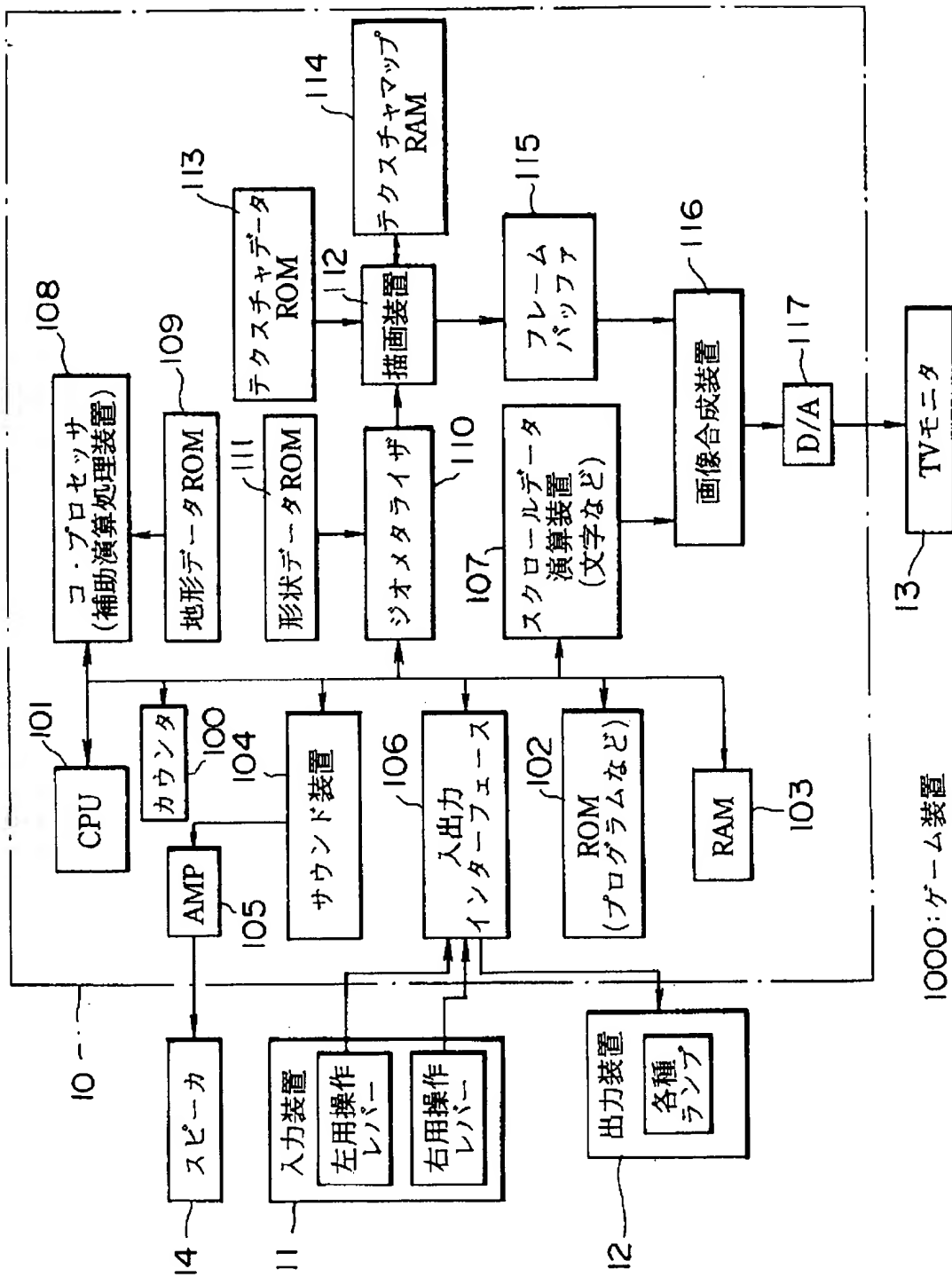
[Drawing 11]



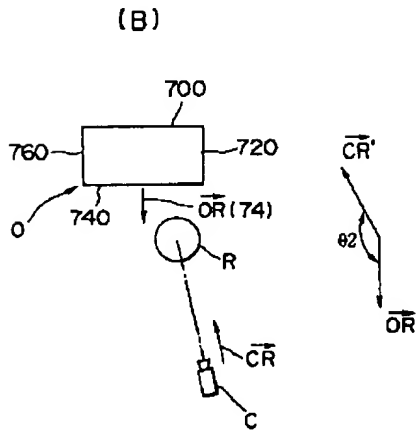
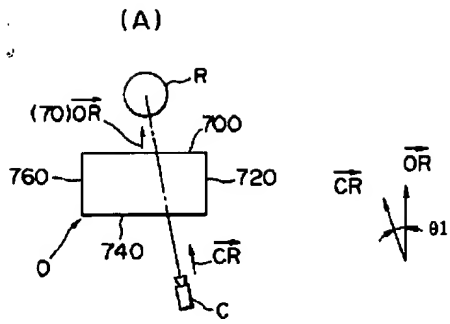
[Drawing 13]



[Drawing 1]

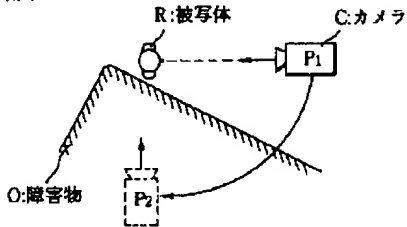


[Drawing 3]

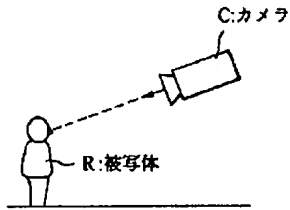


[Drawing 4]

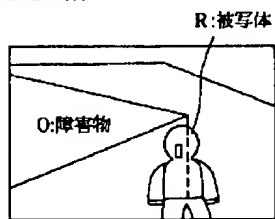
(A) 俯瞰図



(B) 側面図

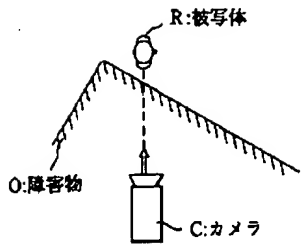


(C) 表示画面(仮想画像)

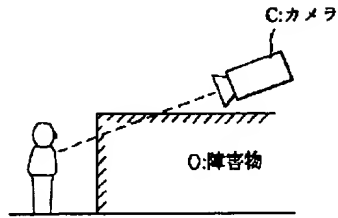


[Drawing 5]

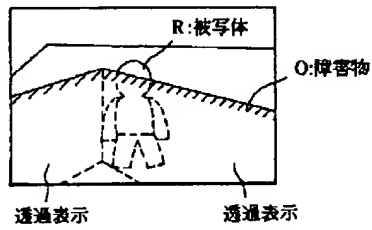
(A) 俯瞰図



(B) 側面図

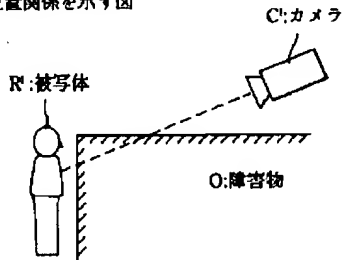


(C) 表示画面(仮想画像)

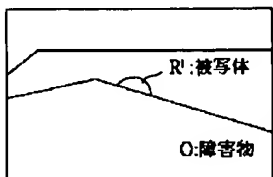


[Drawing 6]

(A) 位置関係を示す図



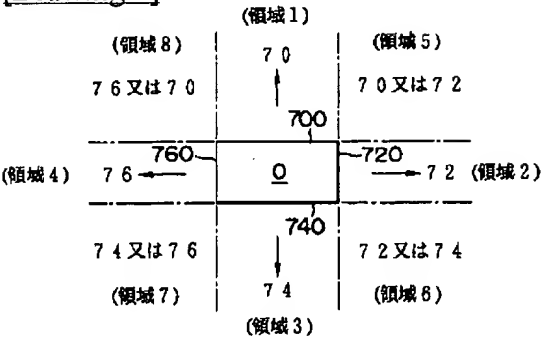
(B) 従来の表示画面



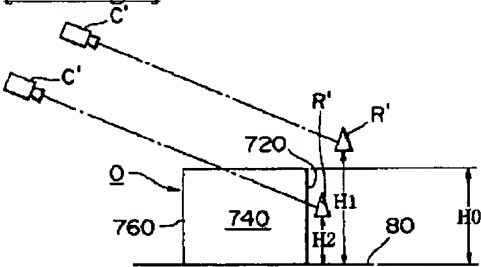
[Drawing 12]

	(1)	(2)
障害物 02		
障害物 01		

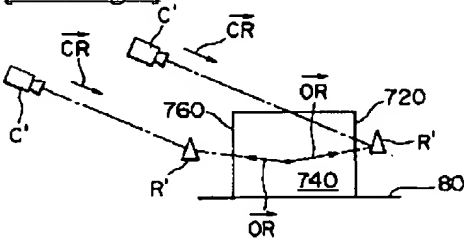
[Drawing 7]



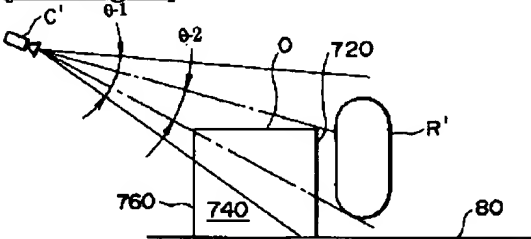
[Drawing 8]



[Drawing 9]



[Drawing 10]



[Translation done.]